

Patent Abstracts of Japan

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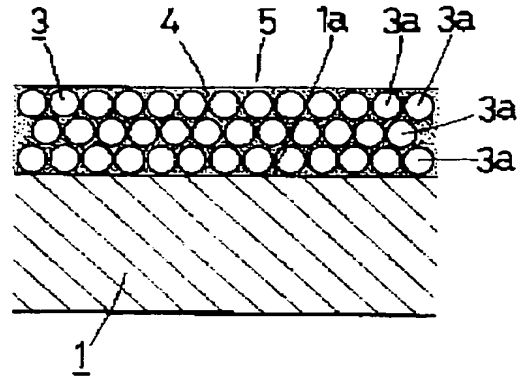
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APPLICANT : MATSUSHITA ELECTRIC WORKS LTD;

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TITLE : FLUORESCENT LAMP AND ITS
 MANUFACTURE



ABSTRACT : PURPOSE: To reduce the degradation of light flux, improve a light flux maintaining rate, and prolong the service life.

CONSTITUTION: In a fluorescent lamp which is provided with a light transmissive airtight vessel 1 in which a phosphor coating film 3 is formed on an inner wall 1a and inside which discharge gas is sealed and converts ultraviolet rays generated by discharge in its airtight vessel 1 into visible radiation by a phosphor 3a in a phosphor coating film 3, voids between particles of the phosphor 3a in the phosphor coating film 3 are sealed in ultraviolet, visible and infrared ray wave length areas by SiO₂ being a metallic oxide 4 having light transmissivity, and the phosphor 3a is densely and continuously covered, and the phosphor 3a is almost separated from the airtight vessel 1 and the discharge gas.

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